

# The Islamia University of Bahawalpur

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## Short Tender Notice

Sealed tenders are invited from the firms, authorized distributors/dealers/supplier having established credentials in terms of Technical, Financial and Managerial capabilities for the supply of Chemicals for the Department of Chemistry and Lab. Equipment for the Department of Life Science, the Islamia University of Bahawalpur as per details given below, on FOR basis.

Tender No.	Category	Estimated Cost
A	<b>Chemicals for Chemistry Department:</b> (Qty. & Specifications as available in Tender Documents)	<b>Rs.18,00,000/-</b>
B	<b>Lab. Equipment for Life Science Department:</b> (Qty. & Specifications as available in Tender Documents)	<b>Rs.9,00,000/-</b>

1. Interested bidders may get the Tender Documents containing detailed specifications, terms and conditions from the Purchase Section, Treasurer's Office Abbasia Campus (Old), the Islamia University of Bahawalpur during office hours 8:00 A.M. to 4:00 P.M. on submission of written application on letter head and a copy of CNIC along with payment of (non refundable fee) of Rs.1000/- (each category) through Bank challan HBL in A/C 14730000010403 or pay order in the name of the Treasurer Islamia University of Bahawalpur for bidding document OR can be down loaded from the IUB Website [www.iub.edu.pk](http://www.iub.edu.pk) or PPRA website [www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk)
2. 03% bid security of total value (Refundable) in shape of pay order shall be attached with the bid, otherwise bid will be rejected.
3. The rates may be quoted on FOR basis.
4. Single Stage – Two Envelopes bidding procedure will be adopted as per PPRA Rules 38- 2(a). The Envelopes shall be marked as "TECHNICAL PROPOSAL" AND "FINANCIAL PROPOSAL" in legible letters. Financial Proposal of bids found technically non-responsive shall be returned un-opened same day at 12:00 Noon in the presence of the bidders or their authorized representatives by the Purchase Committee.
5. Procurement shall be governed under the Punjab Procurement Rules.
6. The rates should be quoted inclusive all taxes. Copy of paid bank challan Professional tax also be provided.
7. The Islamia University of Bahawalpur however, reserves the rights to reject all bids at any time prior to acceptance of a bid as per clause 35 of the Punjab Procurement Rules and grounds of rejection will be conveyed to the bidders upon their request.
8. Tender should be reached in the Office of the Chairman (SMPC), Department of Chemistry, The Islamia University of Bahawalpur upto **1<sup>st</sup> June, 2016 by 11:00 A.M.** Tenders will be opened on the same day at **11:30 AM** in the presence of bidders or their representatives.
9. All bids submitted after the given time shall not be accepted.
10. Taxes will be applicable as per Govt. Rules & Regulations.
11. The rates should be valid for 40-days from the date of opening the tender.
12. In case of closed/forced holidays, tender opening time/ date will be considered as the next working day.



Chairman SMPC  
The Islamia University of Bahawalpur  
Baghdad-ul-Jadeed Campus, Bahawalpur.  
Phone: 062-9255473

**Tender-A/2016- Chemicals:**

Sr.#	Name of Chemicals	Merck/BDH/RDH/Fluka/Acros/ Scharlau/Sigma-Aldrich	Rates will all taxes (if applicable)
1	1-(4-bromo-2-chlorobenzene sulfonyl)pyrrolidin-3-amine	do	
2	1,3-Dioxalane	do	
3	1-10-Phenanthroline	do	
4	1-Butyl imidazole	do	
5	1-Naphthyl amine	do	
6	2,2 Bipyridyl	do	
7	2,4,6- tri(4-pyridyl)-1,3,5-triazine	do	
8	2,4-Dinitro phenyl hydrazine	do	
9	2-Amino benzoic acid	do	
10	2-Naphthyl phosphate	do	
11	2-Nitro benzaldehyde	do	
12	2-Nitro phenol	do	
13	2-Nitro toluene	do	
14	2-Vinyl pyrazine	do	
15	3,5-Di nitro salicylic acid (DNS)	do	
16	3-Indolcarbaldehyde	do	
17	3-Nitro benzaldehyde	do	
18	3-Nitro toluene	do	
19	4-(3-methyl-piperidin-1-sulfonyl)phenylamine	do	
20	4-(piperidine-1-yl sulfonyl)aniline	do	
21	4-(pyrrolidin-1-yl)benzaldehyde	do	
22	4-[(2-methylpiperidin-1-yl)sulfonyl]aniline	do	
23	4-[(4-methyl-1-piperidinyl)sulfonyl]aniline	do	
24	4-Acryloyl morpholine	do	
25	4-Amino benzoic acid	do	
26	4-Bromo sulfonyl chloride	do	
27	4-Dimethyl amino benzaldehyde	do	
28	4-Hydroxy coumarine	do	
29	4-Nitro benzaldehyde	do	
30	4-Nitro phenol	do	
31	4-Nitro phenol phosphate	do	
32	4-Nitro toluene	do	
33	5-(dimethyl amino naphthalene-1-sulfonyl chloride)	do	
34	5-methoxynicotinaldehyde	do	
35	6-(trifluoromethyl)nicotinaldehyde	do	
36	Acarbose	do	
37	Acetic acid A.R	do	
38	Acetone A.R	do	
39	Acetyl acetone	do	
40	Acetyl bromide	do	
41	Acetyl salicylic acid	do	
42	Acetyl Thiocholine iodide	do	
43	Acetylcholinesterase	do	
44	Acrylamide (Electrophoresis grade)	do	
45	Acrylic acid	do	
46	Acrylonitrile	do	
47	Adipic acid	do	
48	Agar agar (Microbiological Grade)	do	
49	Agarose (Electrophoresis grade)	do	
50	Alanine	do	

Sr.#	Name of Chemicals	Merck/BDH/RDH/Fluka/Acros/ Scharlau/Sigma-Aldrich	Rates will all taxes (if applicable)
51	Albumin egg	do	
52	Alizarine powder	do	
53	Alminone	do	
54	alpha -Glucosidase	do	
55	Aluminium foil	do	
56	Aluminium Sulphate	do	
57	Ammonium molybdate	do	
58	Ammonium per sulphate (APS) (Electrophoresis grade)	do	
59	Ammonium purpurate	do	
60	Ammonium sodium hydrogen phosphate	do	
61	Ammonium sulphate (Microbiological Grade)	do	
62	Amyl acetate	do	
63	Aniline	do	
64	Anthracine	do	
65	Anthraquonne	do	
66	Antimony Nitrate	do	
67	Antimony tri oxide	do	
68	Arabinose	do	
69	Barbitone	do	
70	Barbituric acid	do	
71	Barium bromide	do	
72	Barium sulphate	do	
73	Beef extract	do	
74	Benzaldehyde	do	
75	Benzamide	do	
76	Benzene A.R	do	
77	Benzidine	do	
78	Benzil	do	
79	Benzoic acid	do	
80	Benzoin	do	
81	Benzoyl acetone	do	
82	Benzoyl chloride	do	
83	Benzyl alcohol	do	
84	Benzyl amine	do	
85	Benzyl chloride	do	
86	Beta mercapto ethanol (BME)	do	
87	Bis-acrylamide (Electrophoresis grade)	do	
88	Bismuth iodide	do	
89	Bradford reagent	do	
90	Brilliant green	do	
91	Bromine	do	
92	Bromocresol purple	do	
93	Bulyryl Cholinctease	do	
94	Butyric acid	do	
95	Butyrylcholinesterase	do	
96	Calcium iodide	do	
97	Calcium nitrate tetrahydrate	do	
98	Carbon tetrachloride (analytical grade)	do	
99	Cerium sulphate	do	
100	Cetyl trimethyl ammonium bromide (CTAB)	do	

Sr.#	Name of Chemicals	Merck/BDH/RDH/Fluka/Acros/ Scharlau/Sigma-Aldrich	Rates will all taxes (if applicable)
101	Chitosan	do	
102	Chloro phenol red	do	
103	Chloroform AR	do	
104	Cinnamic acid	do	
105	CLED Medium	do	
106	Coomassie brilliant blue G-250	do	
107	Copper chloride	do	
108	Creatinine	do	
109	Cupferon	do	
110	Cuprous bromide	do	
111	Cyclohexane (analytical grade)	do	
112	Cyclohexane A.R	do	
113	Cyclohexanol A.R	do	
114	Cyclohexanone A.R	do	
115	Cyclohexyl amine	do	
116	Cystine	do	
117	Di chloro methane (DCM)	do	
118	Di phenyl carbazone	do	
119	Di thiozone	do	
120	Diacetyl (2,3-Butanedione)	do	
121	Diazo blue (O-dianisidine tetra oxide)	do	
122	Dichloromethane (analytical grade)	do	
123	Diethyl malonate	do	
124	Dimethyl formamide (DMF)	do	
125	Diphenyl carbazide	do	
126	Disodium phosphate	do	
127	Dithiothreitol (DTT)	do	
128	dNTPs (Microbiological Grade)	do	
129	Eserine	do	
130	Ethanol (analytical grade)	do	
131	Ethanol A.R	do	
132	Ether solvent	do	
133	Ethyl acetocetate ester	do	
134	Ethyl benzoate	do	
135	Ethyl bromide	do	
136	Ethyl pyruvate	do	
137	Ethylene diamine tetraacetic acid (EDTA)	do	
138	Ethylene glycol	do	
139	Ferric nitrate	do	
140	Ferrous chloride	do	
141	Ferrous oxalate	do	
142	Ferrous sulphate	do	
143	Filter paper ordinary (Brazil)	do	
144	Filter paper whatman 40,41,42,43,44,45	do	
145	Fluorecine sodium	do	
146	Folic acid	do	
147	Formic acid	do	
148	Furfural	do	
149	Glycine (Electrophoresis grade)	do	
150	Guaiacol	do	
151	Guaiazulene	do	
152	Hen egg albumin	do	
153	Hexonyl chloride	do	
154	Hexyl amine	do	

Sr.#	Name of Chemicals	Merck/BDH/RDH/Fluka/Acros/ Scharlau/Sigma-Aldrich	Rates will all taxes (if applicable)
155	Hydrazine hydrate	do	
156	Hydrazinium chloride	do	
157	Hydrazinium sulphate	do	
158	Hydrochloric acid A.R	do	
159	Hydrogen iodide	do	
160	Imidazol	do	
161	Indirubin	do	
162	Indole	do	
163	Indoline crystal	do	
164	Iodine crystal	do	
165	Iodine green	do	
166	Iodine mono chloride	do	
167	Iodine tri chloride	do	
168	Iridium black	do	
169	Iridium III chloride	do	
170	Iso amyl alcohol	do	
171	Iso citric acid	do	
172	Iso leucine	do	
173	Levalinic natural	do	
174	Lipare	do	
175	L-Lysine monohydrochloride	do	
176	L-Phenylalanine	do	
177	L-Proline	do	
178	Macconkey agar	do	
179	Magnesium phosphate	do	
180	Maleic hydrazine	do	
181	Malonic acid	do	
182	Malonyl chloride	do	
183	Manganese II carbonate	do	
184	M-Anisidine	do	
185	Mannose	do	
186	Meat extract	do	
187	Mercuric acetate	do	
188	Mercurous chloride	do	
189	Metha acrylic acid	do	
190	Methanol (analytical grade)	do	
191	Methyl iodide	do	
192	Methyl benzoate	do	
193	Methyl hydrazine	do	
194	Methylene amine	do	
195	Molybdenum chloride	do	
196	Mure oxide	do	
197	N-(3-aminocyclobutyl)-4-bromo-2- chlorobenzene sulfonamide	do	
198	N,N-Diethyl barbituric acid	do	
199	N,N-Dimethyl barbituric acid	do	
200	Naphthalene powder	do	
201	n-Butanol A.R	do	
202	Niobium chloride	do	
203	Nicotinamide	do	
204	Ninhydrin	do	
205	n-Isopropyl acrylamide	do	
206	Nitric acid A.R	do	
207	Nitro blue tetrazolium	do	
208	Nitrobenzene (analytical grade)	do	
209	Nitron	do	

Sr.#	Name of Chemicals	Merck/BDH/RDH/Fluka/Acros/ Scharlau/Sigma-Aldrich	Rates will all taxes (if applicable)
210	N-N-Bis acrylamide (Electrophoresis Grade)	do	
211	Nutrient agar	do	
212	Nutrient broth	do	
213	o-Bromo benzoic acid	do	
214	o-Nitro phenol	do	
215	o-Phenitidine	do	
216	o-Phthaldehyde	do	
217	Osmium chloride	do	
218	Palm oil	do	
219	p-Aminoethyl benzenesulfonamide	do	
220	p-Aminomethyl benzene sulfonamide	do	
221	Pantane	do	
222	Parafilm	do	
223	Peptic digest of animal tissue	do	
224	Peptone	do	
225	Per chloric acid	do	
226	Phenanthrene	do	
227	Phenol crystal	do	
228	Phenyl acetate	do	
229	Phenyl hydrazine	do	
230	Phenyl hydrazine hydrochloride	do	
231	Phenyl mercury nitrate	do	
232	Phenyl methane sulfonyl fluoride (PMSF)	do	
233	Phosphodiesterase enzyme	do	
234	Phosphorous red	do	
235	Phosphorous acid	do	
236	Phosphorous trichloride (PCl <sub>3</sub> )	do	
237	Phosphoryl chloride (POCl <sub>3</sub> )	do	
238	Pipiperidine	do	
239	Platinum chloride	do	
240	p-Nitrophenyl – alpha-D- glucopyranoside	do	
241	Poly aniline	do	
242	Poly ethylene glycol	do	
243	Poly ethylene glycol (6000)	do	
244	Poly pyrrole	do	
245	Poly vinyl chloride (PVC)	do	
246	Poly vinyl pyrrolidone (PVP)	do	
247	Poly(methylmethacrylate)	do	
248	Potassium di hydrogen phosphate	do	
249	Potassium iodide	do	
250	Potassium metal	do	
251	Potassium per iodate	do	
252	Potassium tetrakis{ 3,5- bis(trifluoromethyl)phenyl } borate	do	
253	p-Phenetidine	do	
254	Propionaldehyde	do	
255	Pyrazole	do	
256	Pyridazine	do	
257	Pyridoxal	do	
258	Pyrocatechole	do	
259	Pyrrole	do	
260	Pyruvic acid	do	
261	Resazurine	do	

Sr.#	Name of Chemicals	Merck/BDH/RDH/Fluka/Acros/ Scharlau/Sigma-Aldrich	Rates will all taxes (if applicable)
262	Rhodium chloride	do	
263	Ribose	do	
264	RNA	do	
265	Rubeanic acid	do	
266	Rutin	do	
267	Salicyldehyde	do	
268	Sephadex G-100	do	
269	Sepharose 6-B	do	
270	Silica gel for column	do	
271	Silica gel for Thin layer chromatography	do	
272	Silicic acid	do	
273	Silver acetate	do	
274	Silver carbonate	do	
275	Silver chromate	do	
276	Silver nitrate	do	
277	Silver oxide	do	
278	Silver sulphate	do	
279	Sitraconic acid	do	
280	Sodium acetate (molecular biology grade)	do	
281	Sodium ammonium hydrogen phosphate	do	
282	Sodium boro hydride	do	
283	Sodium chloride (molecular biology grade)	do	
284	Sodium cyanide dibasic	do	
285	Sodium dodecyl sulphate (SDS) (Electrophoresis grade)	do	
286	Sodium hydroxide (molecular biology grade)	do	
287	Sodium hypochlorite	do	
288	Sodium metal	do	
289	Sodium per chloride	do	
290	Sodium potassium tartrate	do	
291	Soft paraffin	do	
292	Span-80	do	
293	Stearyl-p-nitrophenylanilide	do	
294	Succinamide	do	
295	Sucrose	do	
296	Sulfadimethoxine	do	
297	Sulfadoxine	do	
298	Sulfafurazole	do	
299	Sulfamethoxydiazine	do	
300	Sulfamethoxypyrazine	do	
301	Sulfamethoxypyridazine	do	
302	Sulfamoxole	do	
303	Sulfisomidine	do	
304	Sulfuric acid A.R	do	
305	Sulphanilic acid	do	
306	Terbium chloride	do	
307	Terephthaldehyde	do	
308	Tetra hydro furan (THF)	do	
309	Tetramethyl ethylene diamine (TEMED)	do	
310	Thiazole-5-carbaldehyde	do	
311	Thionyl chloride	do	

Sr.#	Name of Chemicals	Merck/BDH/RDH/Fluka/Acros/ Scharlau/Sigma-Aldrich	Rates will all taxes (if applicable)
312	Thymol blue	do	
313	Titan yellow	do	
314	Titanium tri chloride	do	
315	Toluene A.R	do	
316	Tri bromo acetic acid	do	
317	Tributyryn	do	
318	Triethyl orthoformate	do	
319	Tris base (Trizma Base)	do	
320	Tween-20	do	
321	Tween-80	do	
322	Uric Acid	do	
323	Valine	do	
324	Vinyl imidazole	do	
325	Vitamin B <sub>1</sub>	do	
326	Vitamin B <sub>2</sub>	do	
327	Vitamin B <sub>5</sub>	do	
328	Vitamin B <sub>6</sub>	do	
329	Vitamin D <sub>2</sub>	do	
330	Xanthine oxide	do	
331	Xylene cyanol	do	
332	Xylenol orange	do	
333	Yeast extract	do	
334	Zirconium nitrate	do	
335	Zirconium powder	do	
336	Zinc Nitrate	do	
337	Zirconyl IV chloride	do	
338	ZnI <sub>2</sub>	do	

#### Terms & Conditions

1. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
2. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from UK, USA, Japan, Singapore, Korean and Europe etc..**
3. Prices should be FOR delivery to the Chemistry Department., The Islamia University of Bahawalpur. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 60 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.



## Tender-B/2016- Lab. Equipment for Life Science Department:

Sr. #	Name of Equipment	01 No.	Rates will all taxes (if applicable)
1	<p><b>Laminar Flow Cabinet Vertical</b>  <b>Made in: USA,Germany,Japan,Europe.</b>  <b>Specification:</b>  <b>Air flow type:</b> Vertical laminar flow (minimum / maximum) 0 to 1020 cmh / 0 to 600 cfm  <b>Air volume:</b> (m / s / fpm) 0.3 / 59  <b>Laminar airflow velocity:</b> ISO 14644-1 class 4, US Federal Standard 209E class 10  <b>Air cleanliness within work space:</b> Filters  <b>HEPA filter:</b> Typical efficiency of 99.99% on 0.3µ (US MIL - STD -282)  Micro glass fiber Media, Particle board, AL separator, Neopren gaskets  <b>Pre filter:</b> Polyester fibers with an filter efficiency of 85% (A-F-1 TEST) ;  Aluminum frame, Polyester fiber media  <b>Noise level:</b> Typically &lt; 65dB at blower speed  <b>Materials:</b> Main body Steel powder coating  <b>Work surface:</b> Stainless steel grade 304, Hairline treatment  <b>Windows (front / side):</b> Colorless and transparent UV absorbing 5mm tempered glass  <b>Intensity (lux):</b> &gt; 650  <b>Fluorescent lamp (W):</b> 30 x 2ea 32 x 2ea,Electronically ballasted Fluorescent Lamp  <b>UV lamp (W):</b> 25 x 1ea 30 x 1ea 25 x 2ea,Electronically ballasted UV Lamp  <b>Electric socket outlets:</b> 230V socket  <b>Dimension:</b> (WxDxH): 48x72 inch  <b>Interior working area (mm / inch):</b> 48x72 inch</p>	01 No.	
2	<p><b>Spectrophotometer</b>  <b>Made in: USA,Germany,Japan,Europe,</b>  <b>Specifications:</b>  <b>Wavelength:</b> 190-1100nm  <b>Wavelength Accuracy:</b> ≤2.0nm  <b>Wavelength Reproducibility:</b> ≤1nm  <b>Monochromator:</b> Single-beam C-T type, grating 1200L/mm  <b>Photometric Accuracy:</b> ≤±0.5%T  <b>Photometer Reproducibility:</b> ≤±0.3%T  <b>Stray Light:</b> ≤0.1%T (Nal at 220nm, NaNO2 at 340nm)  <b>Spectral Bandwidth:</b> 2nm  <b>0%T Stability:</b> ≤0.2%T(30min)  <b>100%T Stability:</b> 0.001A/30min (at 500nm, after warming up)  <b>Operation Mode:</b> T, A, C, E  <b>Photometric Range:</b> -0.3-3A  <b>Display:</b> 16x2 LCD  <b>Detector:</b> Silicone Photodiode  <b>Light Source:</b> Tungsten halogen lamp, D2 lamp  <b>Power Requirement:</b> 220 volt, 50/60 Hz  <b>Power Consumption:</b> 120W</p>	01 No.	
3	<p><b>Incubator/ Oven</b>  <b>Made in: USA,Germany,Japan,Europe,</b>  <b>Specification:-</b>  <b>Capacity:</b> 105 Lit.  <b>Temp. Range:</b> Ambient Temperature +5°C to 80°C/ Incubator  80°C to 250°C/ Oven  <b>Fluctuation:</b> ± 0.2°C at 37°C, ±0.3°C at 50°C  <b>Variation:</b> ± 0.5°C at 37°C,  ± 0.9°C at 50°C  <b>Sensor:</b> PT 100  <b>Control Resolution:</b> ±0.1°C  <b>Heat-up Time:</b> 17 min. to 37 °C,  30 min. to 50°C  <b>Recovery Time:</b> 3 min. to 37°C,  4 min. to 50°C  <b>(Door open 30sec):</b>  <b>Controller:</b> Digital Fuzzy Control by Advanced Microprocessor  Jog-Dial with Push Button  <b>RS232 Port:</b> Available to connect with PC  <b>Display:</b> Digital LCD with Back Light  <b>Timer:</b> 99hr 59 min (delay/continuous function)  <b>Material</b>  <b>Internal:</b> Stainless steel (#304)  <b>External:</b> Powder Coated steel  <b>Inner Door:</b> Inner Tempered Glass Door  <b>Shelves:</b> 2ea of Teflon-coated steel Wire Shelves included,  Load per Shelf : 16 kg  <b>Ventilation:</b> 1ea of Ventilation hole with Stainless steel Cap, Hole Diameter 40mm  <b>Circulation:</b> Forced Air Type  <b>Safety device:</b> Over Temp. and Over Current Protector, Sensor Error Detector  <b>Others:</b> UL/CUL Certified, CE Certified, GD-mark  Storage Function(Temp. and Time)  Locking Mode(Jog-Dial Input Disabled)  Alarm (Error Status and Timer-end)  <b>Power Consumption:</b> 302.9 W  <b>Energy Consumption,</b> at 37°C: 43 Wh ,  at 50°C: 129 Wh  <b>Power Supply:</b> 1 Phase 120V, 50Hz or 230V, 50/60Hz.</p>	01 No.	
4	<p><b>Digital Precise Water Bath with Digital control</b>  <b>Made in: USA,Germany,Japan,Europe,</b>  <b>Technical Specifications:</b>  <b>Capacity:</b> 22 Lit  <b>Temperature Range &amp; Accuracy:</b> Ambient +5°C-100°C, ±0.1°C  <b>Temperature Resolution:</b> 0.1°C-Display, 0.1°C-Control  <b>Temp Uniformity &amp; Probe:</b> ± 1.0 °C, PT100  <b>Heater Power:</b> 2K  <b>Timer:</b> 99 hr 59 min (Delay &amp; Continuous run), Error Status  &amp; Time-end  <b>Display:</b> Digital LCD display with Back-Light Function  <b>Controller:</b> Digital fuzzy controller with jog-shuttle switch  (Turn + Push)  <b>Safety Devices:</b> Over temp/-Current Protection, Sensor Error Detection  <b>Material internal:</b> Stainless steel (#304)-Internal, Power Coated  Steel-External  <b>Lid:</b> Including stainless steel flat lid, Optional Dome Lid.  <b>Drain valve:</b> Mounted (Ø9.5-11mm)  <b>Dimension (w x d x h)</b>  <b>Effective Space:</b> 500 x 295 x h110mm  <b>Internal:</b> 500 x 295 x h150mm  <b>External:</b> 535 x 330 x h260mm  <b>Packing Size (mm) and</b> 570 x 360 x h310mm,  <b>Gross Weight (kg):</b> 14kg  <b>Power Supply:</b> 1 Phase, AC120 V, 60Hz or AC 230 V, 50/60Hz.</p>	01 No.	

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